CLAIM AMENDMENTS

1   1.   (Previously Presented) A method of determining participants of a distributed transaction
2   in a distributed system, the method comprising the steps of:
3   registering, in a name service, participant data that identifies a plurality of participants
4   that are participating in said distributed transaction, wherein said step of
5   registering occurs in response to said plurality of participants commencing
6   participation in said distributed transaction; and
7   causing a node that requires information about participants in said distributed transaction
8   to request said participant data from said name service.

1   2.   (Previously Presented) The method of Claim 1, wherein the step of causing a node
2   includes causing said node to retrieve said participant data in response to said node
3   performing deadlock detection.

1   3.   (Previously Presented) The method of Claim 1, wherein:
2   the step of registering includes registering in said name service participant data that
3   identifies which database servers of a plurality of database servers are
4   participating in said distributed transaction.

1   4.   (Previously Presented) The method of Claim 1, further including the step of causing
2   updates to said participant data to identify a new participant in said distributed
3   transaction.

1   5.   (Previously Presented) The method of Claim 4, wherein:
2   said distributed transaction is a distributed database transaction being executed by a set of
3   processes coordinated by a coordinator process;
4   the method further includes the step of said coordinator process causing a new process on
5   a database server to participate in said distributed database transaction; and

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6   the step of causing updates to said participant data includes said coordinator process

7   causing updates to said participant data in response to said new process

8   participating in said distributed database transaction.

1   6.   (Previously Presented) The method of Claim 1, wherein:

2   said distributed transaction is a distributed database transaction;

3   the step of registering includes registering participant data that identifies which database

4   servers of a plurality of database servers are participating in said distributed

5   database transaction; and

6   the step of causing a node includes causing a node that requires information about

7   participants in said distributed database transaction to retrieve said participant data

8   from said name service.

1   7.   (Previously Presented) The method of Claim 1, wherein:

2   said distributed transaction is a distributed database transaction;

3   the method further includes the step of assigning a transaction identifier to said

4   distributed database transaction;

5   the step of registering includes registering, in said name service, data that associates said

6   participant data with said transaction identifier; and

7   the step of causing a node includes causing a node to request, from said name service,

8   published data associated with said transaction identifier.

1   8.   (Previously Presented) The method of Claim 1, wherein the steps further include said

2   name service receiving a request from a first process to supply said participant data,

3   wherein said name service and said first process reside on said node.

1   9.   (Previously Presented) The method of Claim 8, wherein the step of causing a node

2   includes said name service retrieving said participant data from one or more data

3   structures residing on said node in response to receiving said request.

1   10.   (Canceled)

1 11.   (Previously Presented) A computer-readable medium carrying one or more sequences of
2   one or more instructions for determining participants of a distributed transaction in a
3   distributed system, the one or more sequences of one or more instructions including
4   instructions which, when executed by one or more processors, cause the one or more
5   processors to perform the steps of:
6   registering in a name service participant data that identifies a plurality of participants that
7   are participating in said distributed transaction, wherein said step of registering
8   occurs in response to said plurality of participants commencing participation in
9   said distributed transaction; and
10   causing a node that requires information about participants in said distributed transaction
11   to request said participant data from said name service.

1 12.   (Previously Presented) The computer-readable medium of Claim 11, wherein the step of
2   causing a node includes causing said node to retrieve said participant data in response to
3   said node performing deadlock detection.

1 13.   (Previously Presented) The computer-readable medium of Claim 11, wherein:
2   the step of registering includes registering in said name service participant data that
3   identifies which database servers of a plurality of database servers are
4   participating in said distributed transaction.

1 14.   (Previously Presented) The computer-readable medium of Claim 11, further including the
2   step of causing updates to said participant data to identify a new participant in said
3   distributed transaction.

1 15.   (Previously Presented) The computer-readable medium of Claim 14, wherein:
2   said distributed transaction is a distributed database transaction being executed by a set of
3   processes coordinated by a coordinator process;
4   the computer-readable medium further includes sequences of instructions for performing
5   the step of said coordinator process causing a new process on a database server to
6   participate in said distributed database transaction; and

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7 the step of causing updates to said participant data includes said coordinator process

8   causing updates to said participant data in response to said new process

9   participating in said distributed database transaction.

1 16. (Previously Presented) The computer-readable medium of Claim 11, wherein:

2 said distributed transaction is a distributed database transaction;

3 the step of registering includes registering participant data that identifies which database

4   servers of a plurality of database servers are participating in said distributed

5   database transaction; and

6 the step of causing a node includes causing a node that requires information about

7   participants in said distributed database transaction to retrieve said participant data

8   from said name service.

1 17. (Previously Presented) The computer-readable medium of Claim 11, wherein:

2 said distributed transaction is a distributed database transaction;

3 the steps further include the step of assigning a transaction identifier to said distributed

4   database transaction;

5 the step of registering includes registering in said name service data that associates said

6   participant data with said transaction identifier; and

7 the step of causing a node includes causing a node to request, from said name service,

8   published data associated with said transaction identifier.

1 18. (Previously Presented) The computer-readable medium of Claim 11, wherein the steps

2 further include said name service receiving a request from a first process to supply said

3 participant data, wherein said name service and said first process reside on said node.

1 19. (Previously Presented) The computer-readable medium of Claim 18, wherein the step of

2 causing a node includes said name service retrieving said participant data from one or

3 more data structures residing on said node in response to receiving said request.

1 20. (Canceled)

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1 21. (Canceled)

1 22. (Previously Presented) A method for determining a plurality of participants that are
2   participating in a distributed transaction, the method comprising the computer-
3   implemented steps of:
4   in response to said plurality of participants commencing participation in said distributed
5   transaction, receiving first data that identifies said plurality of participants;
6   in response to receiving said first data, registering said first data;
7   receiving a request from a node;
8   in response to said request from said node, providing second data to said node, wherein
9   said second data includes at least part of said first data.

1 23. (Previously Presented) The method of Claim 22, wherein a name service performs the
2   steps of receiving said first data, registering said first data, receiving said request, and
3   providing said second data.

1 24. (Currently Amended) The method of Claim 22, wherein said node uses said ~~information~~
2   <u>second data</u> to determine whether a deadlock exists, and wherein said request is received
3   after a particular participant of said plurality of participants has waited for a threshold
4   period of time.

1 25. (Previously Presented) The method of Claim 22, wherein:
2   said distributed transaction is a distributed database transaction; and
3   said first data identifies one or more database servers of a plurality of database servers
4   that are participating in said distributed database transaction.

1 26. (Previously Presented) The method of Claim 22, wherein:
2   said plurality of participants includes all participants in the distributed transaction; and
3   said first data identifies said all participants in the distributed transaction.

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1 27. (Previously Presented) A computer-readable medium carrying one or more sequences of
2   one or more instructions for determining a plurality of participants that are participating
3   in a distributed transaction, the one or more sequences of one or more instructions
4   including instructions which, when executed by one or more processors, cause the one or
5   more processors to perform the steps of:
6   prior to said plurality of participants commencing participation in said distributed
7   transaction, receiving first data that identifies said plurality of participants;
8   in response to receiving said first data, registering said first data;
9   receiving a request from a node;
10   in response to said request from said node, providing second data to said node, wherein
11   said second data includes at least part of said first data.

1 28. (Previously Presented) The computer-readable medium of Claim 27, wherein a name
2   service performs the steps of receiving said first data, registering said first data, receiving
3   said request, and providing said second data.

1 29. (Currently Amended) The computer-readable medium of Claim 27, wherein said node
2   uses said ~~information~~ second data to determine whether a deadlock exists, and wherein
3   said request is received after a particular participant of said plurality of participants has
4   waited for a threshold period of time.

1 30. (Previously Presented) The computer-readable medium of Claim 27, wherein:
2   said distributed transaction is a distributed database transaction; and
3   said first data identifies one or more database servers of a plurality of database servers
4   that are participating in said distributed database transaction

1 31. (Previously Presented) The computer-readable medium of Claim 27, wherein:
2   said plurality of participants includes all participants in the distributed transaction; and
3   said first data identifies said all participants in the distributed transaction.
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